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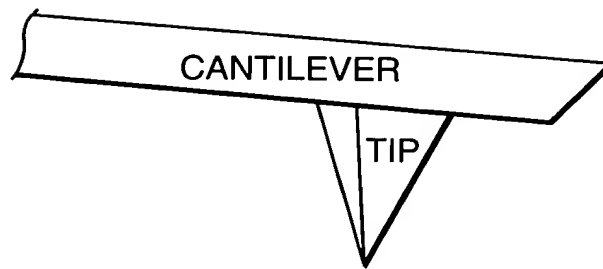


FIG. 1A

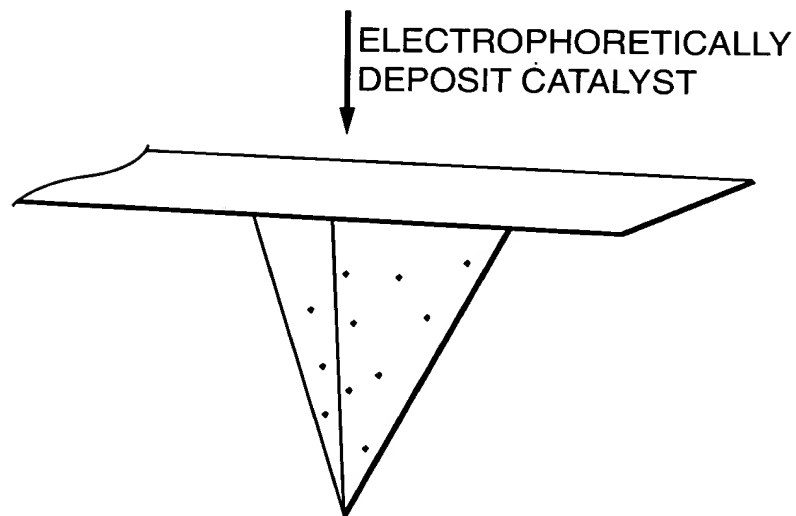


FIG. 1B

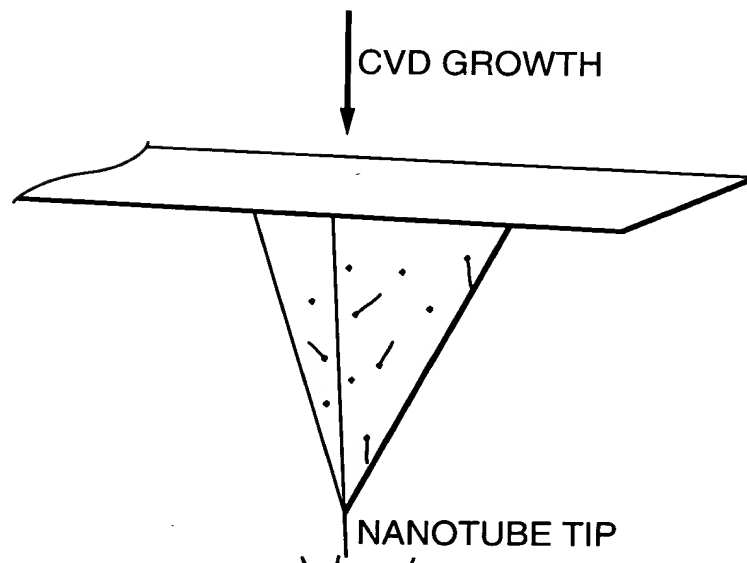


FIG. 1C

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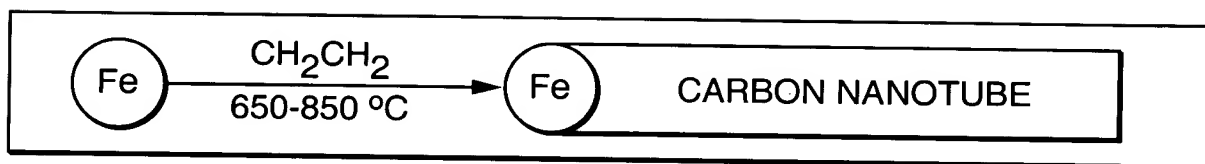


FIG. 2A

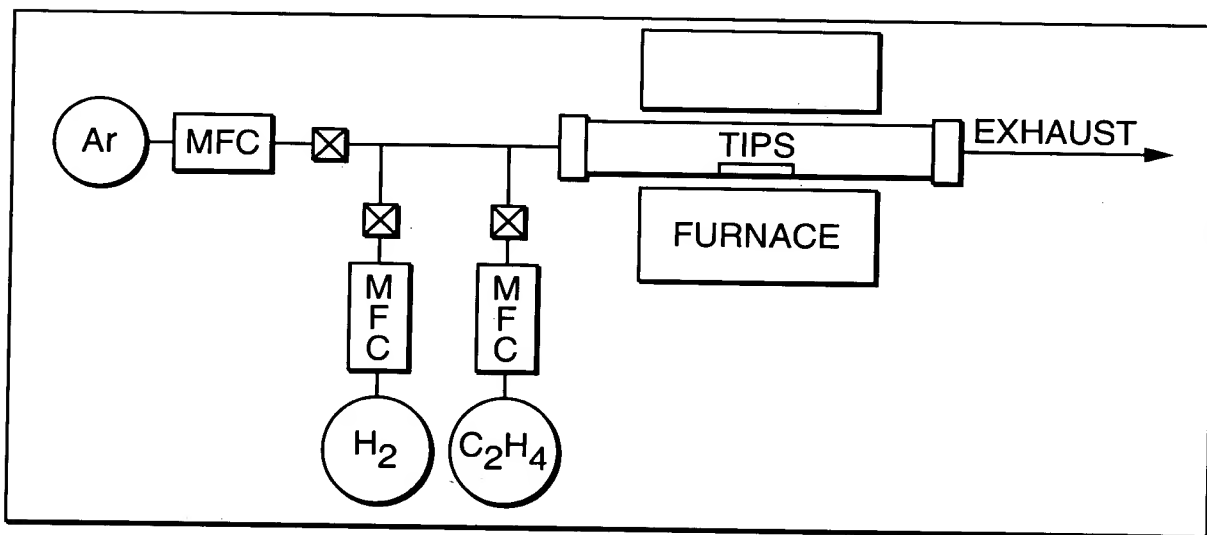
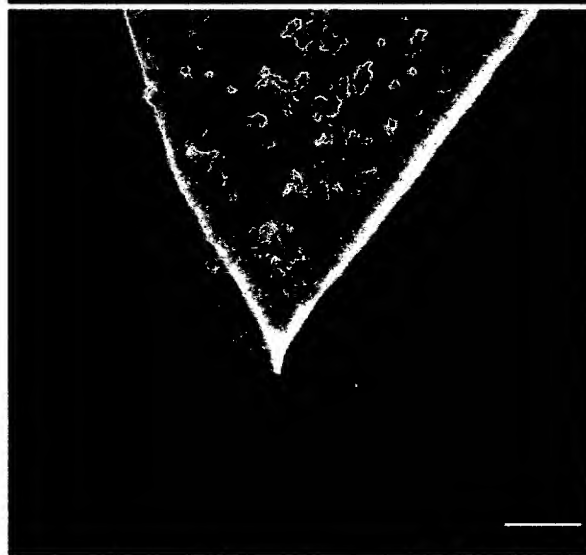


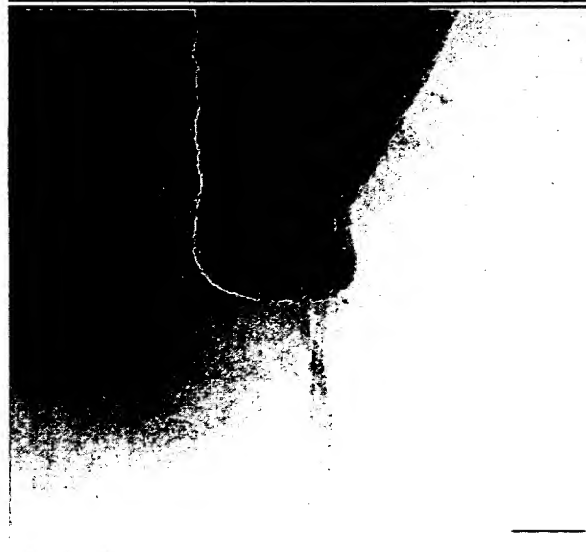
FIG. 2B



— FIG. 3A



— FIG. 3B



— FIG 3C

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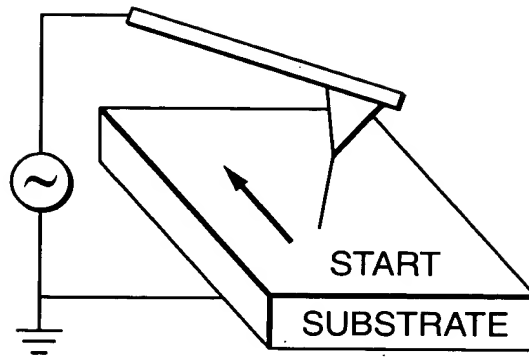


FIG. 4A

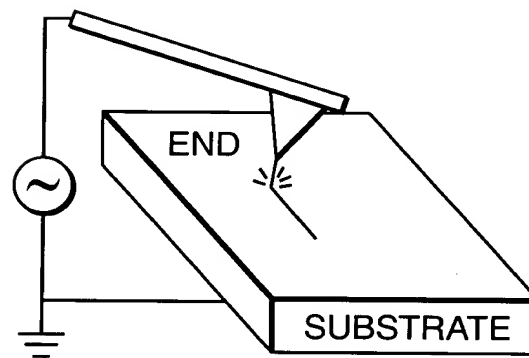


FIG. 4B

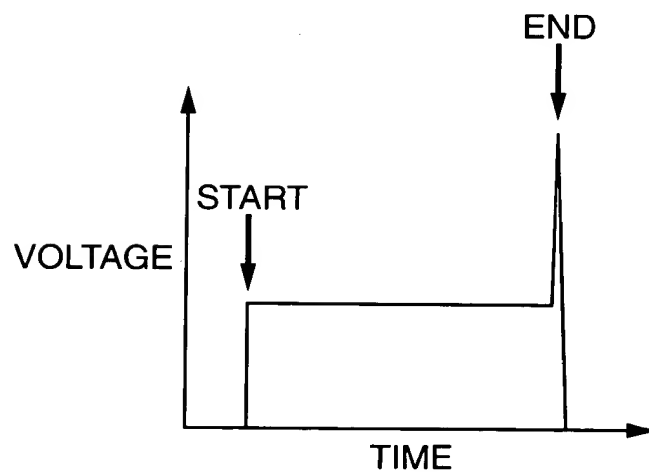


FIG. 4C

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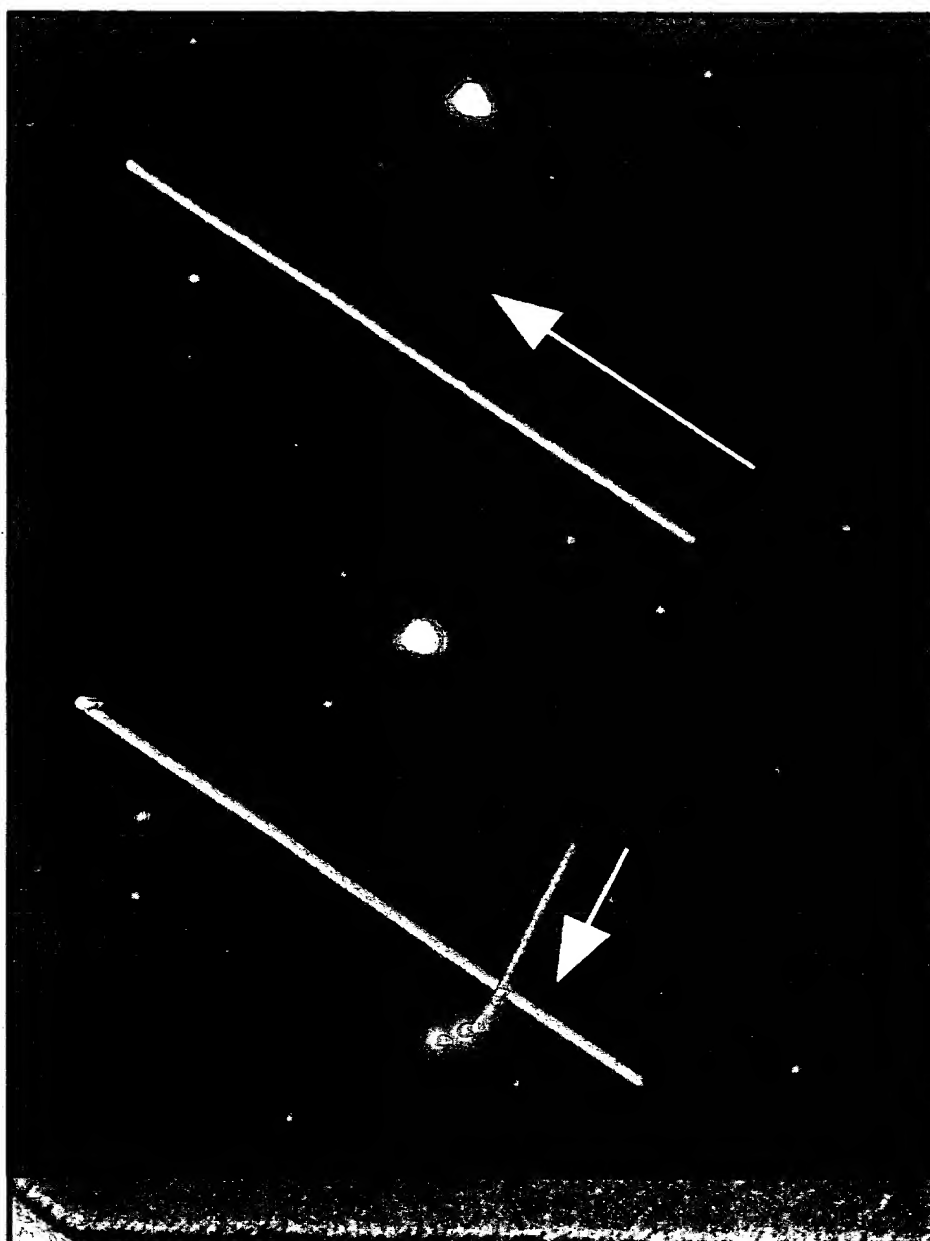


FIG. 5A

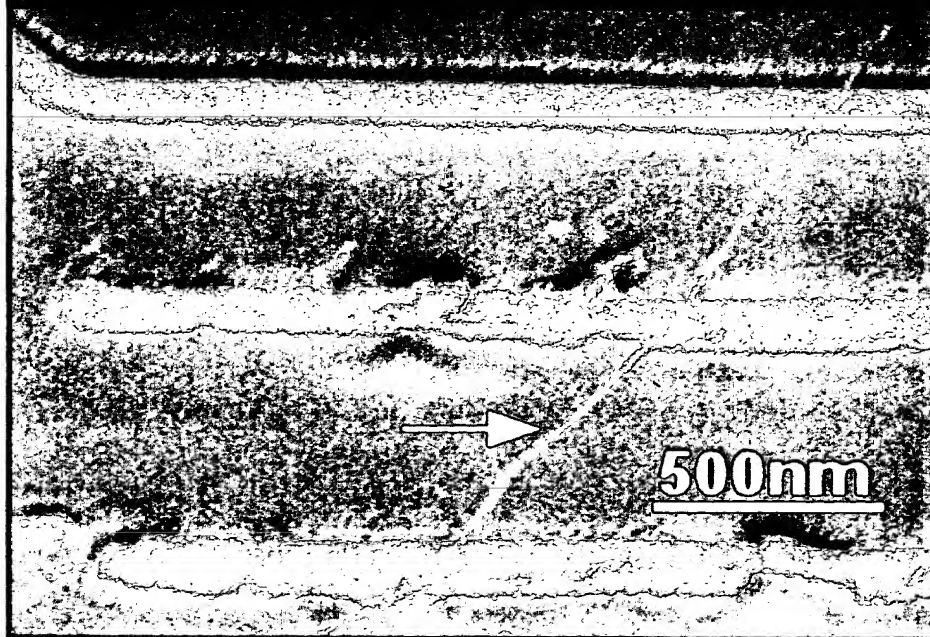


FIG. 5B

FIG. 5C

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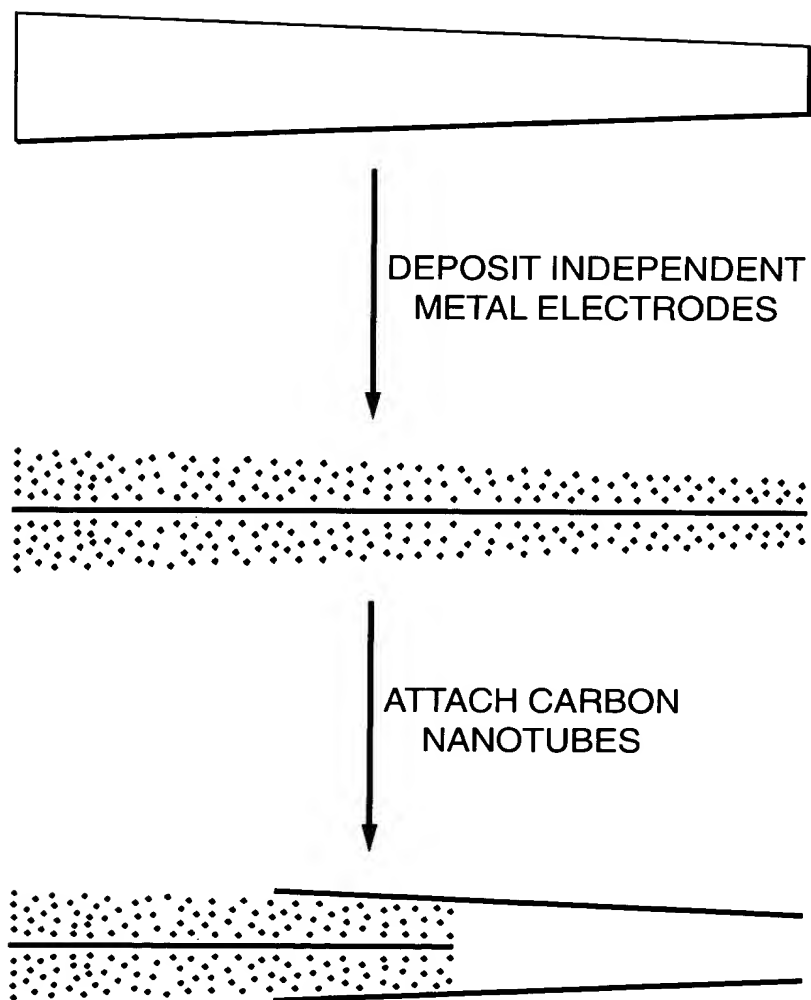


FIG. 6A

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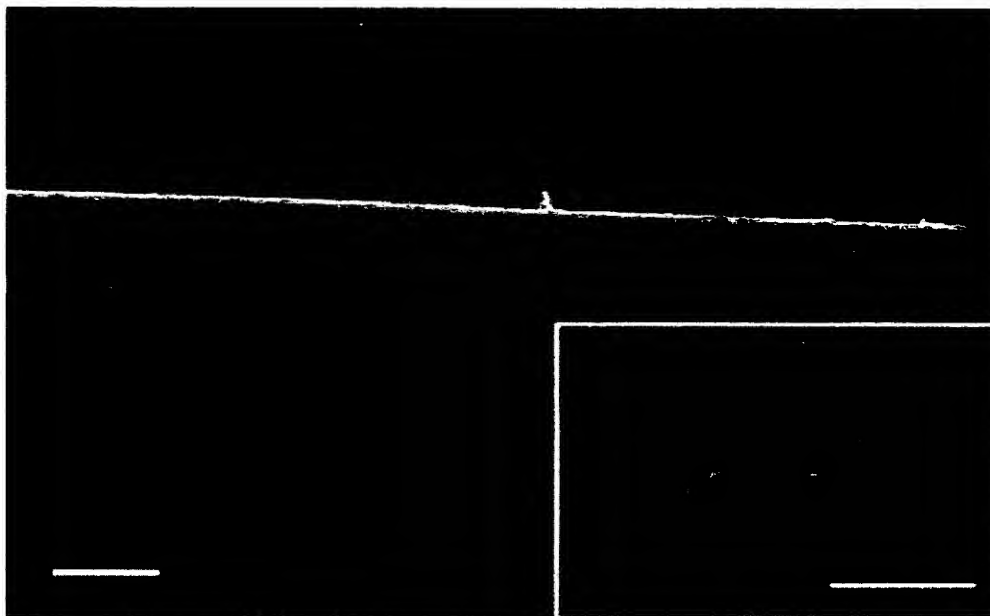


FIG. 6B

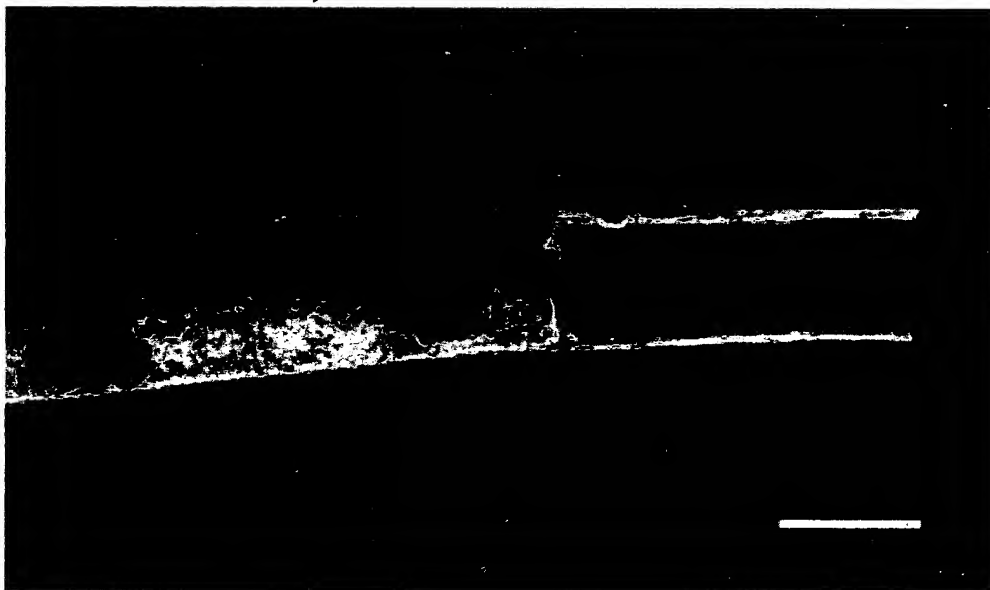


FIG. 6C



FIG. 7A

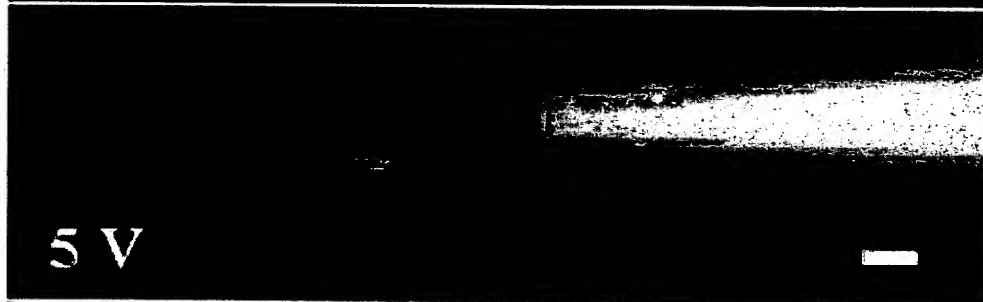


FIG. 7B



FIG. 7C



FIG. 7D



FIG. 7E

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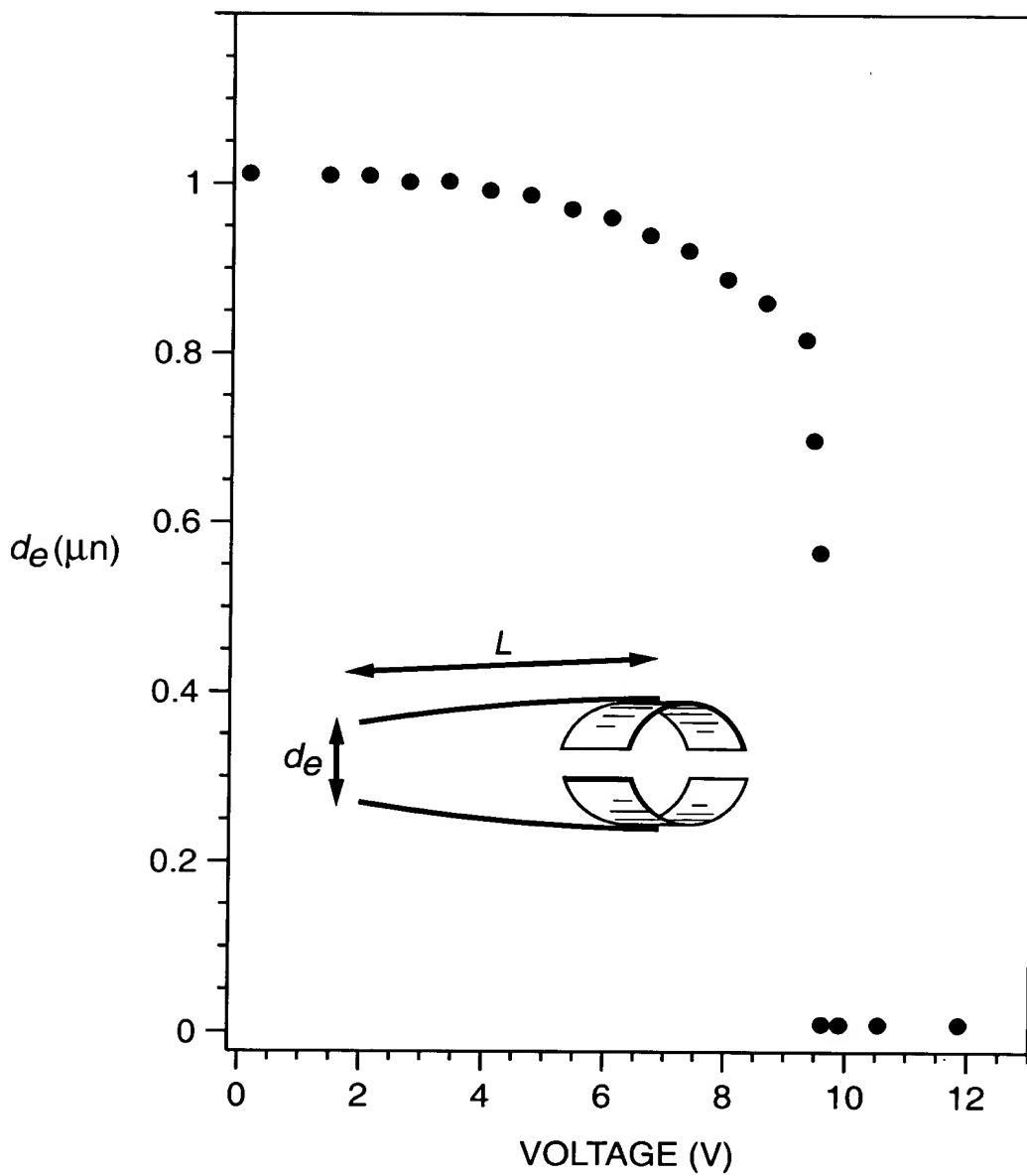


FIG. 7F

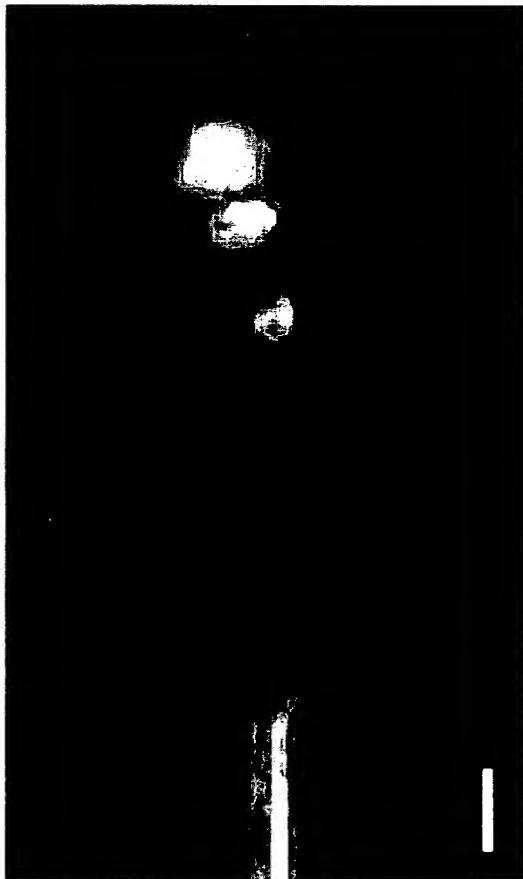


FIG. 8A

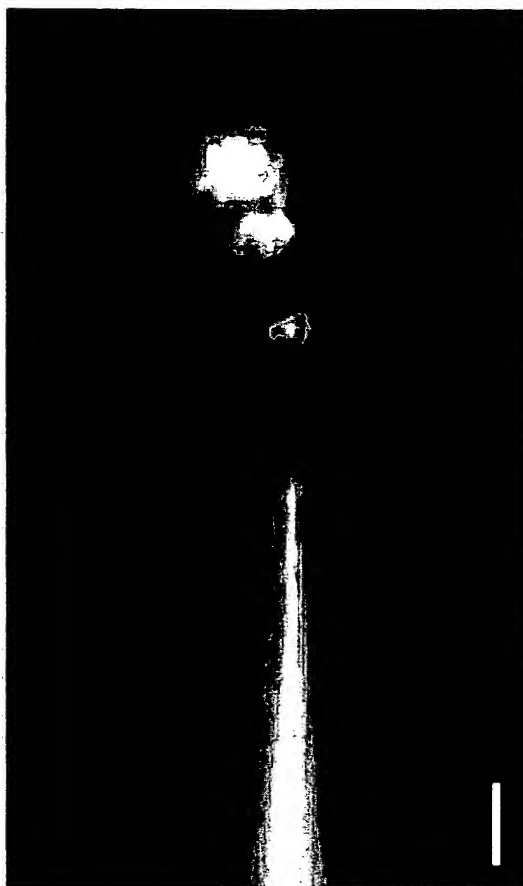


FIG. 8B

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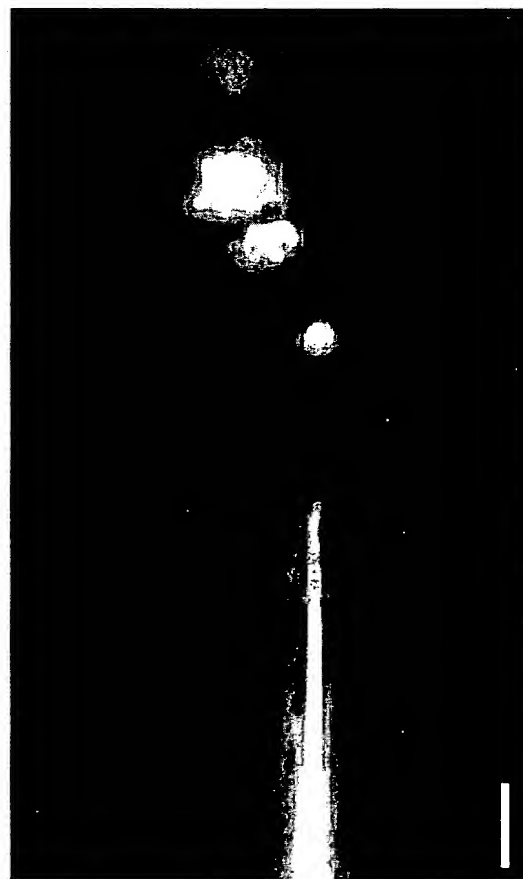


FIG 8C

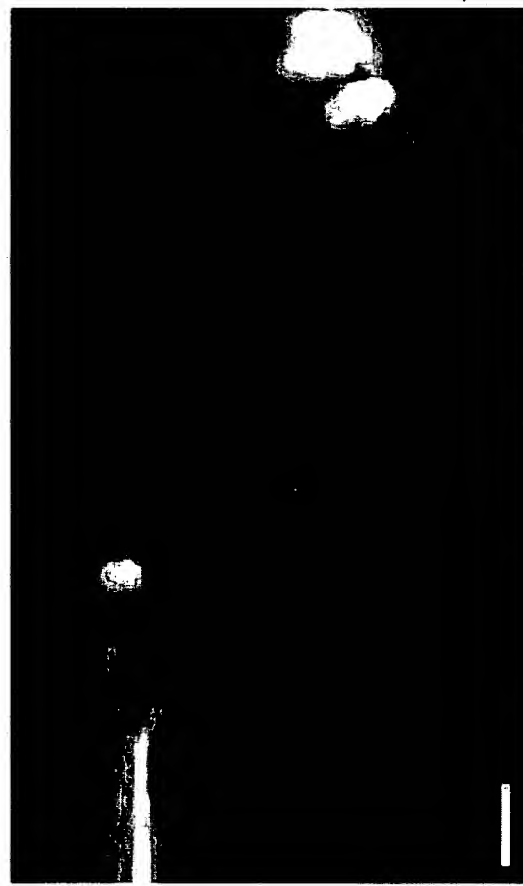


FIG 8E

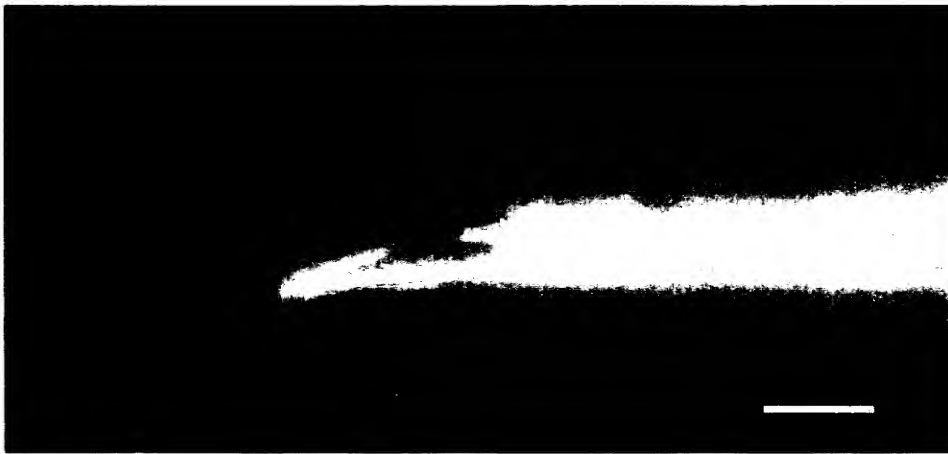


FIG. 9A

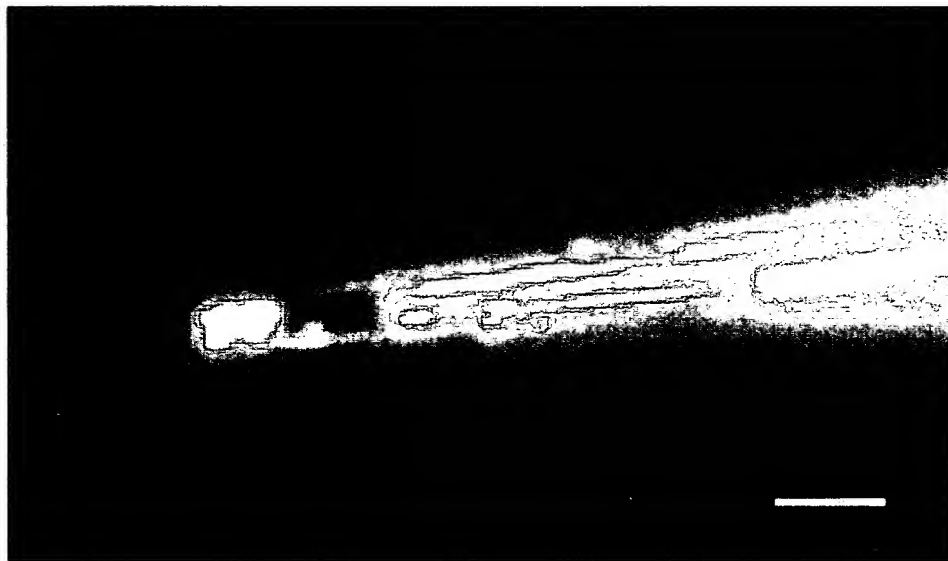


FIG. 9B



FIG. 9C

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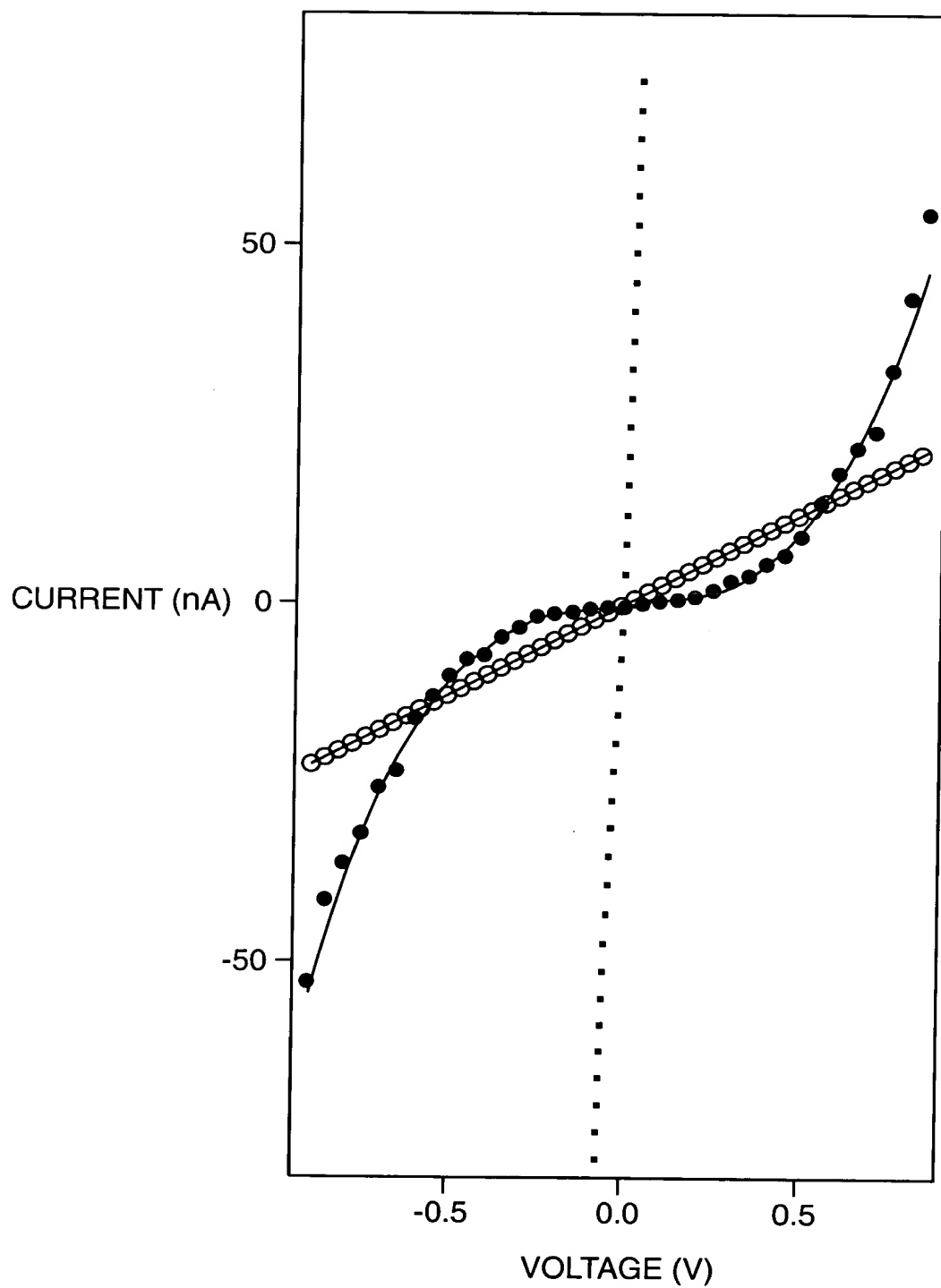
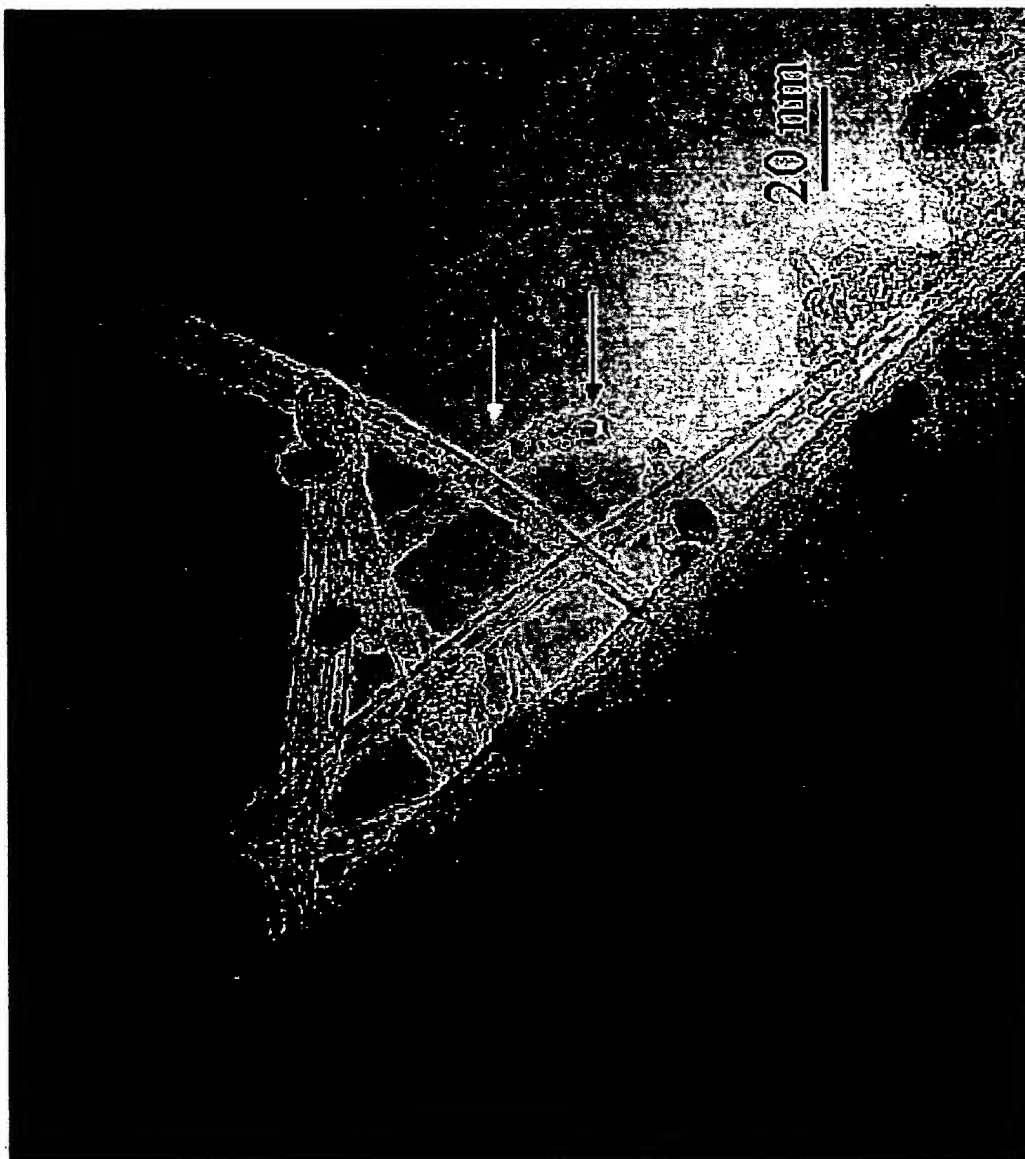


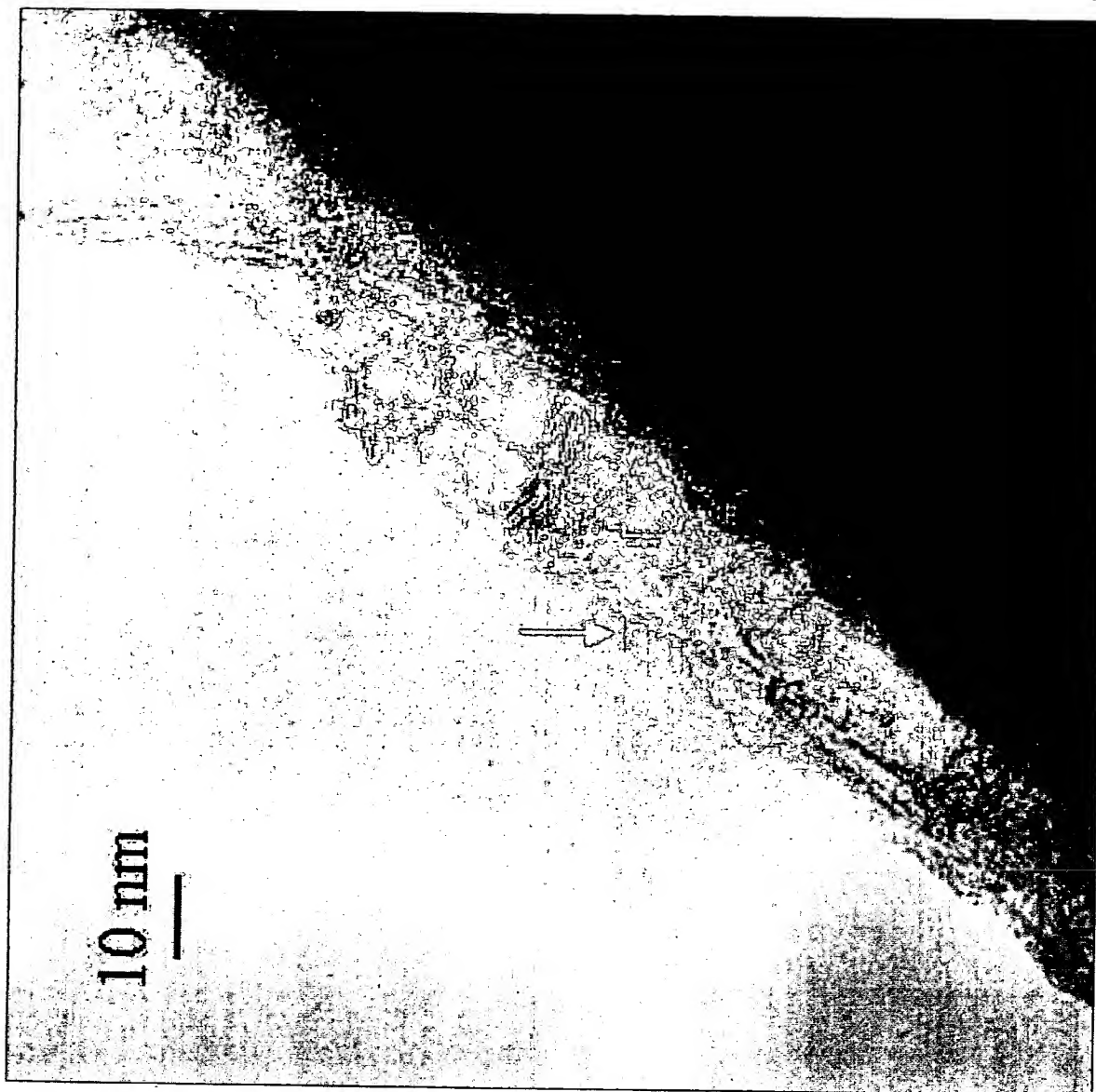
FIG. 9D



Catalyst: FeOx 6L (black arrow) Majority of catalyst size: 4-6nm
Carbon Source: C₂H₄, SWNT (white arrow) Majority of SWNT size: 4nm

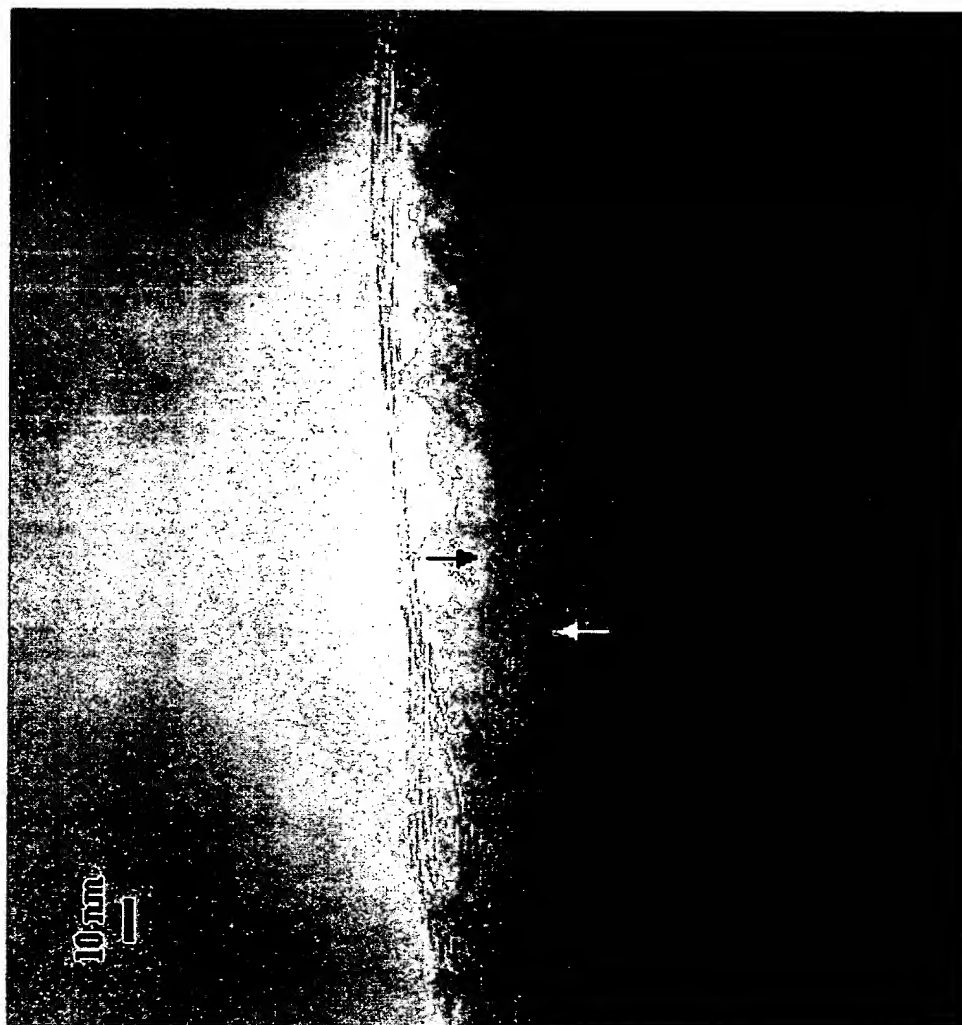
FIG 10

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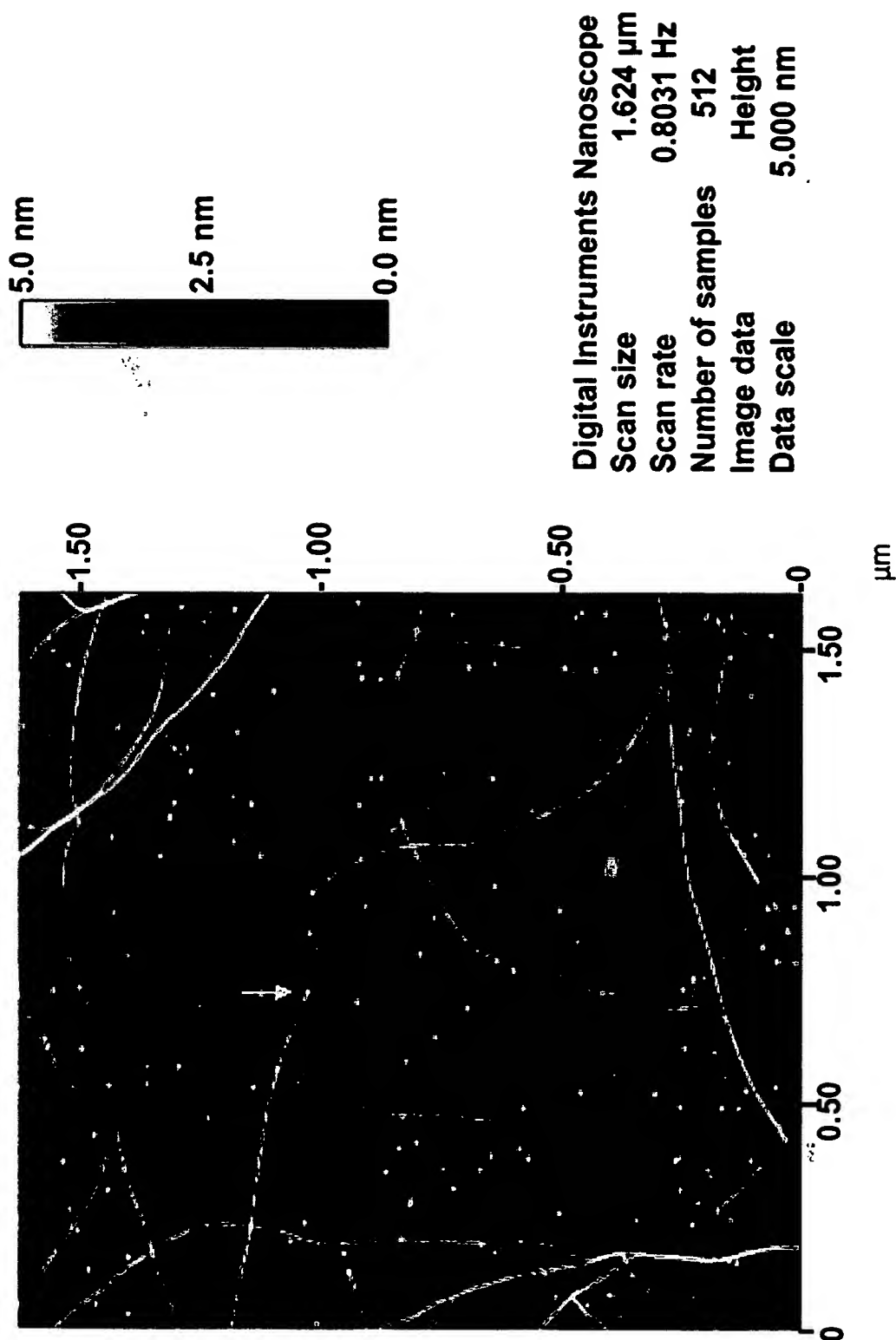
Catalyst: FeOx 2L
Carbon source: CO
0.8 nm SWNT (white arrow)

FIG 11



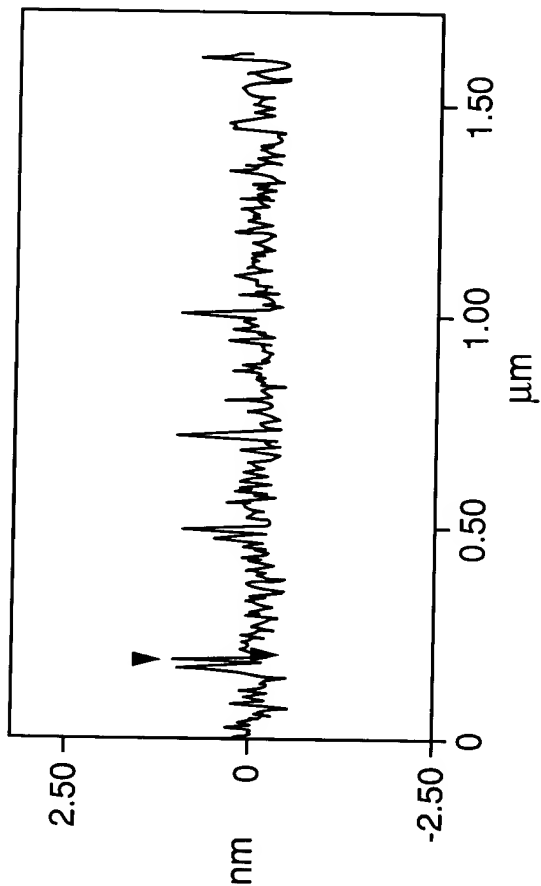
Catalyst: FeOx 2L (black arrow)
Carbon source: CO, SWNT (white arrow)
Majority of catalyst size: 1.5-3.5 nm
Majority of nanotube size: 1.3-2.3 nm

FIG. 12



Catalyst: FeOx 6L (white arrow)
Carbon source: C_2H_4 , SWNT (black arrow)

FIG 13



L	15.862 nm
RMS	0.447 nm
Ic	DC
Ra(Ic)	0.129 nm
Rmax	0.483 nm
Rz	0.375 nm
Rz Cnt	4
RADIUS	54.556 nm
SIGMA	0.169 nm

FIG. 14A

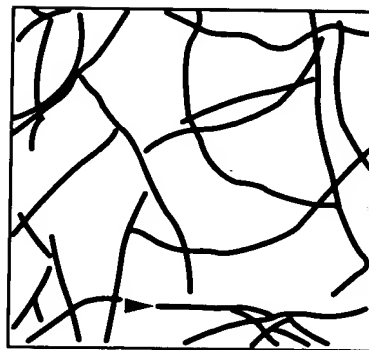


FIG. 14B

SURFACE DISTANCE	15.987 nm
HORIZ. DISTANCE (L)	15.862 nm
VERT. DISTANCE	1.609 nm
ANGLE	5.791 deg
SURFACE DISTANCE	
HORIZ. DISTANCE	
VERT. DISTANCE	
ANGLE	
SURFACE DISTANCE	
HORIZ. DISTANCE	
VERT. DISTANCE	
ANGLE	
SPECTRAL PERIOD	DC
SPECTRAL FREQ.	0 Hz
SPECTRAL RMS amp	0.00006 nm

SPECTRUM

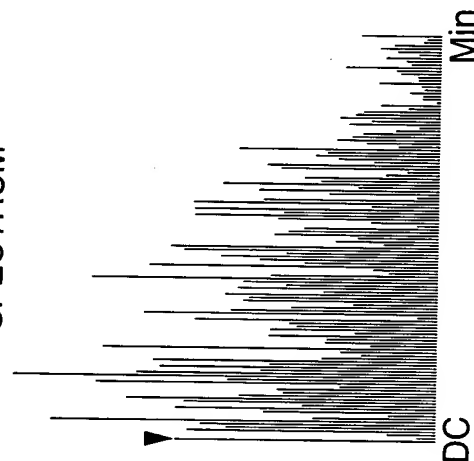


FIG. 14C

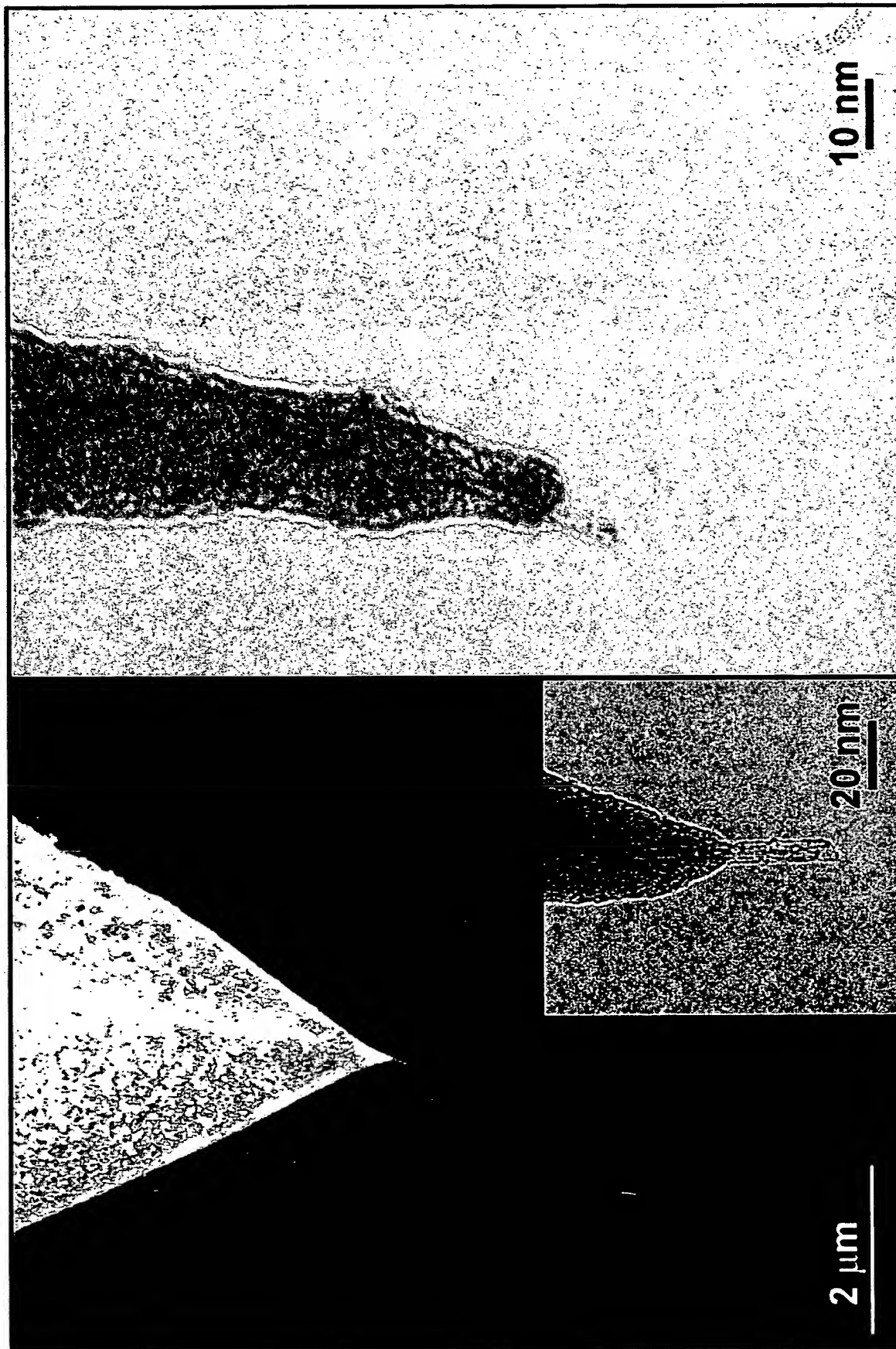


FIG. 15A

FIG. 15B